DOCKET #S90E260

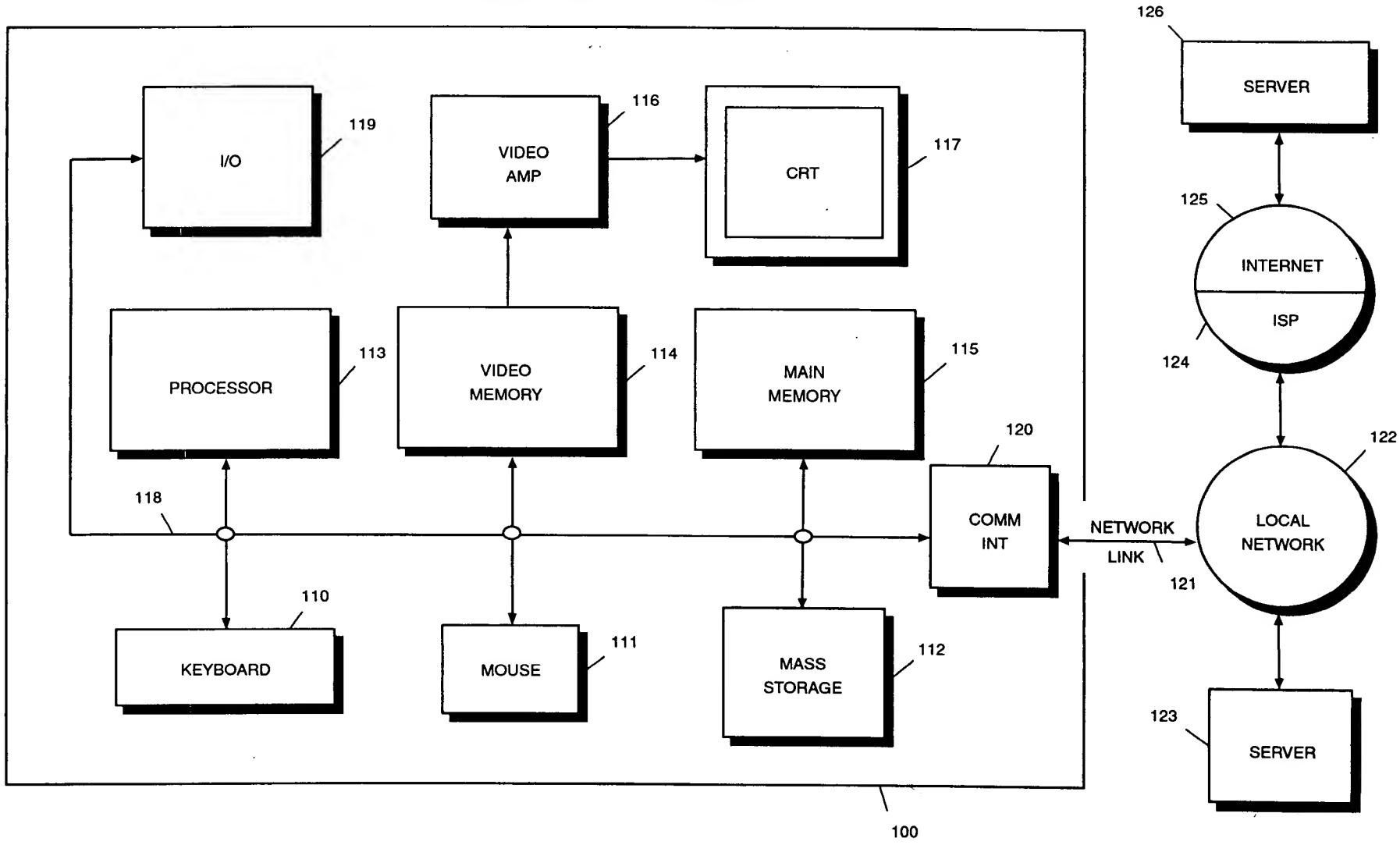

FIGURE 1

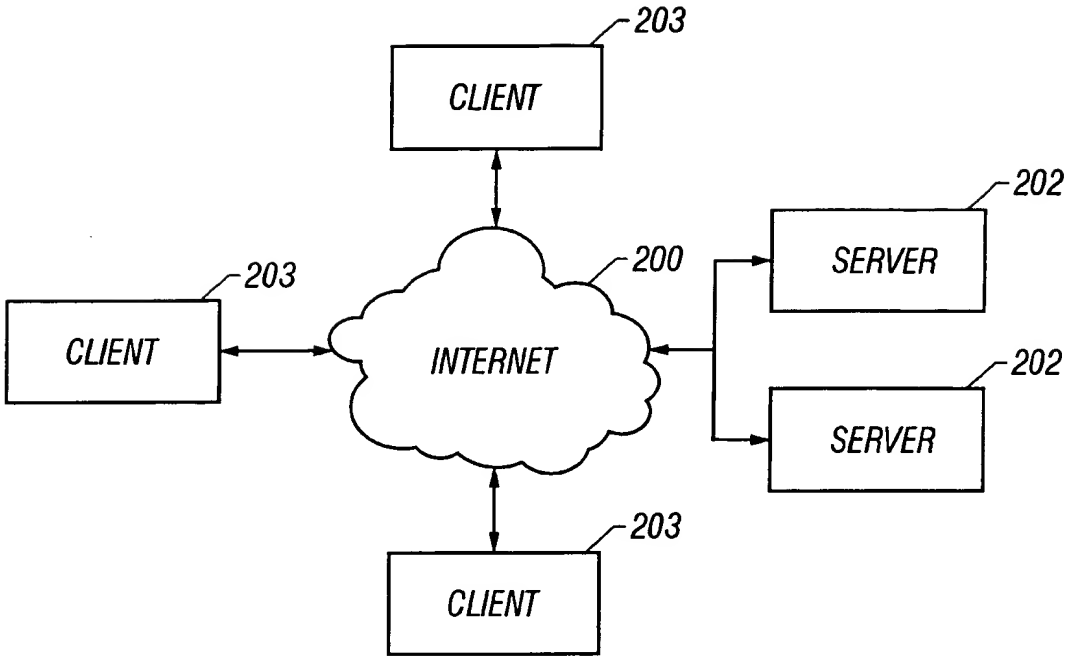

FIGURE 2

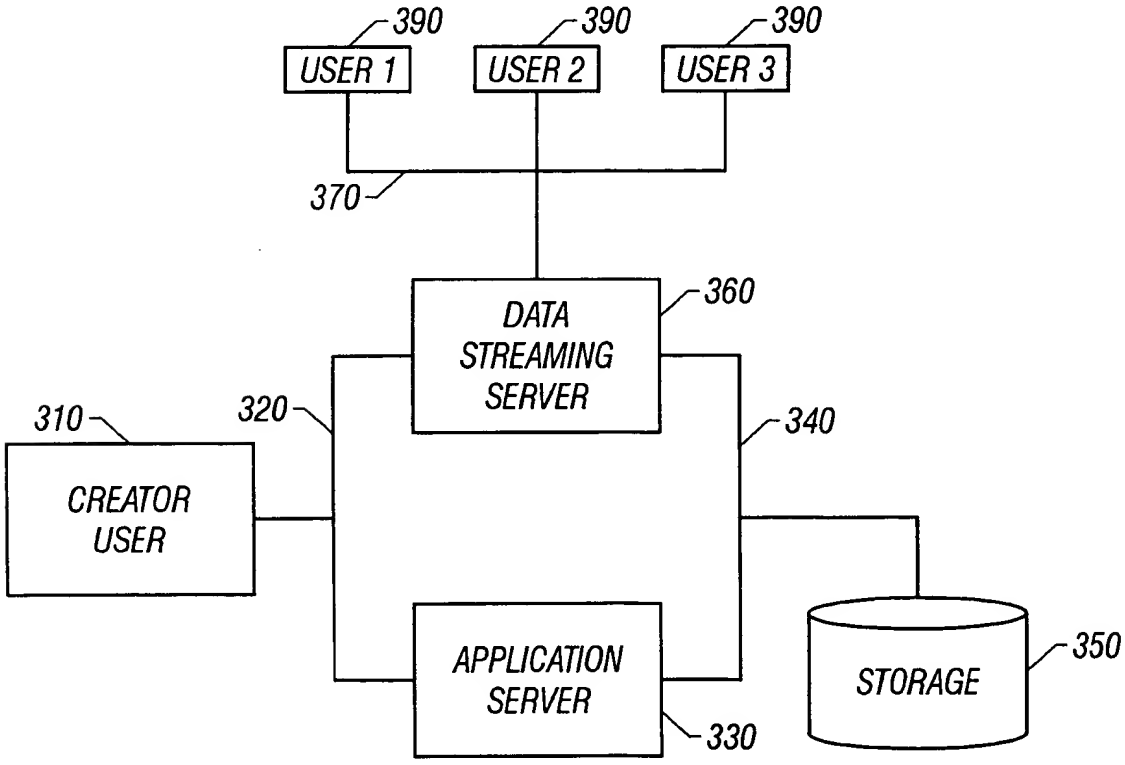

FIGURE 3

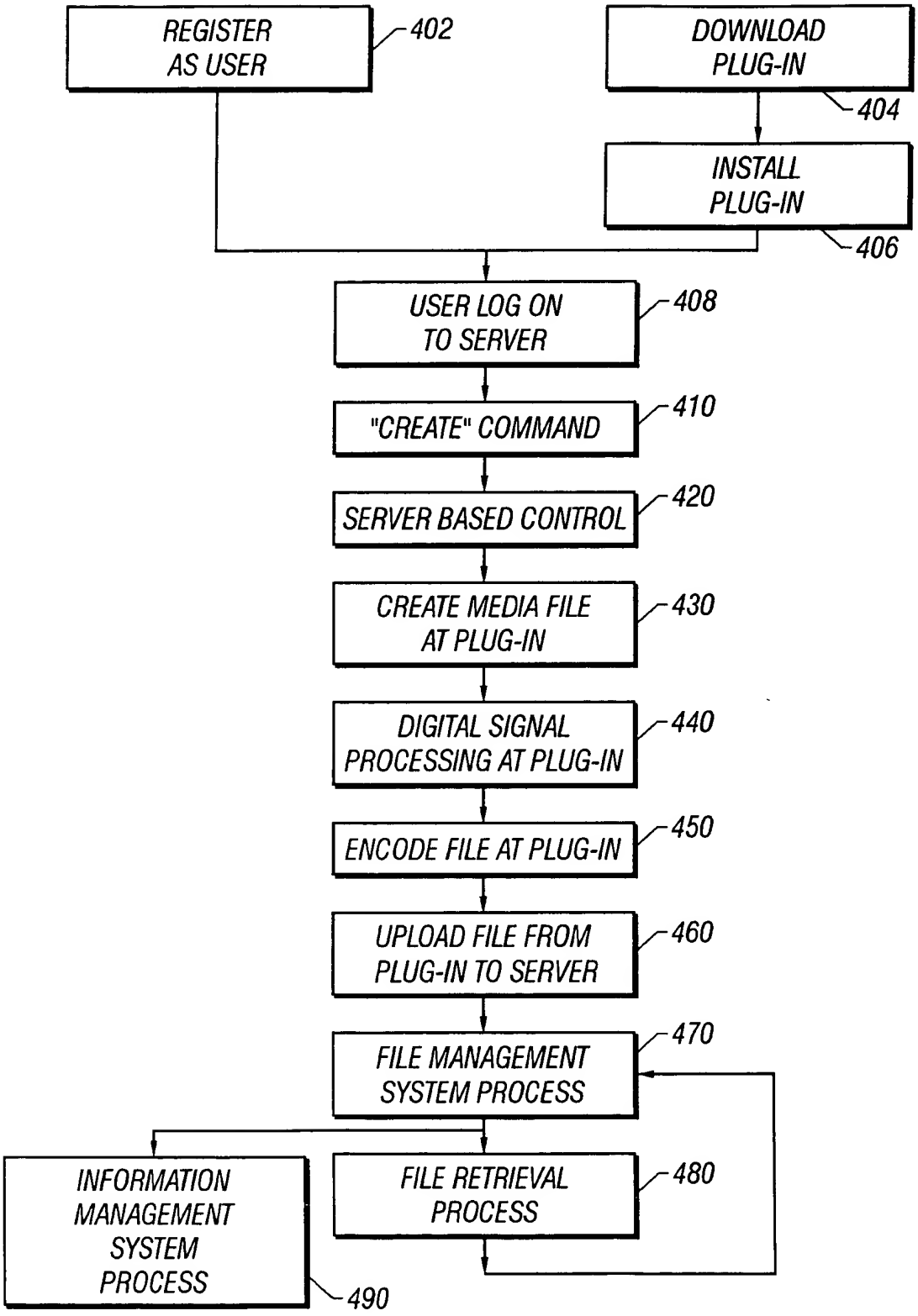
REGISTER AS USER
402
DOWNLOAD PLUG-IN
404
INSTALL PLUG-IN
406
USER LOG ON TO SERVER
408
"CREATE" COMMAND
410
SERVER BASED CONTROL
420
CREATE MEDIA FILE AT PLUG-IN
430
DIGITAL SIGNAL PROCESSING AT PLUG-IN
440
ENCODE FILE AT PLUG-IN
450
UPLOAD FILE FROM PLUG-IN TO SERVER
460
FILE MANAGEMENT SYSTEM PROCESS
470
INFORMATION MANAGEMENT SYSTEM PROCESS
490
FILE RETRIEVAL PROCESS
480

FIGURE 4

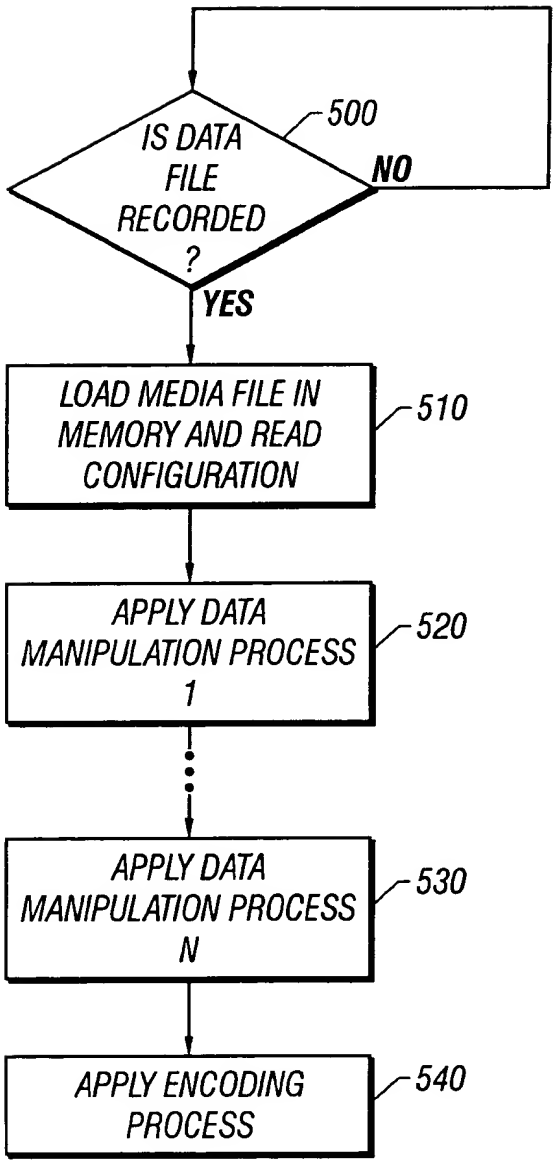
IS DATA FILE RECORDED ?
500
NO
YES
LOAD MEDIA FILE IN MEMORY AND READ CONFIGURATION
510
APPLY DATA MANIPULATION PROCESS 1
520
APPLY DATA MANIPULATION PROCESS N
530
APPLY ENCODING PROCESS
540

FIGURE 5

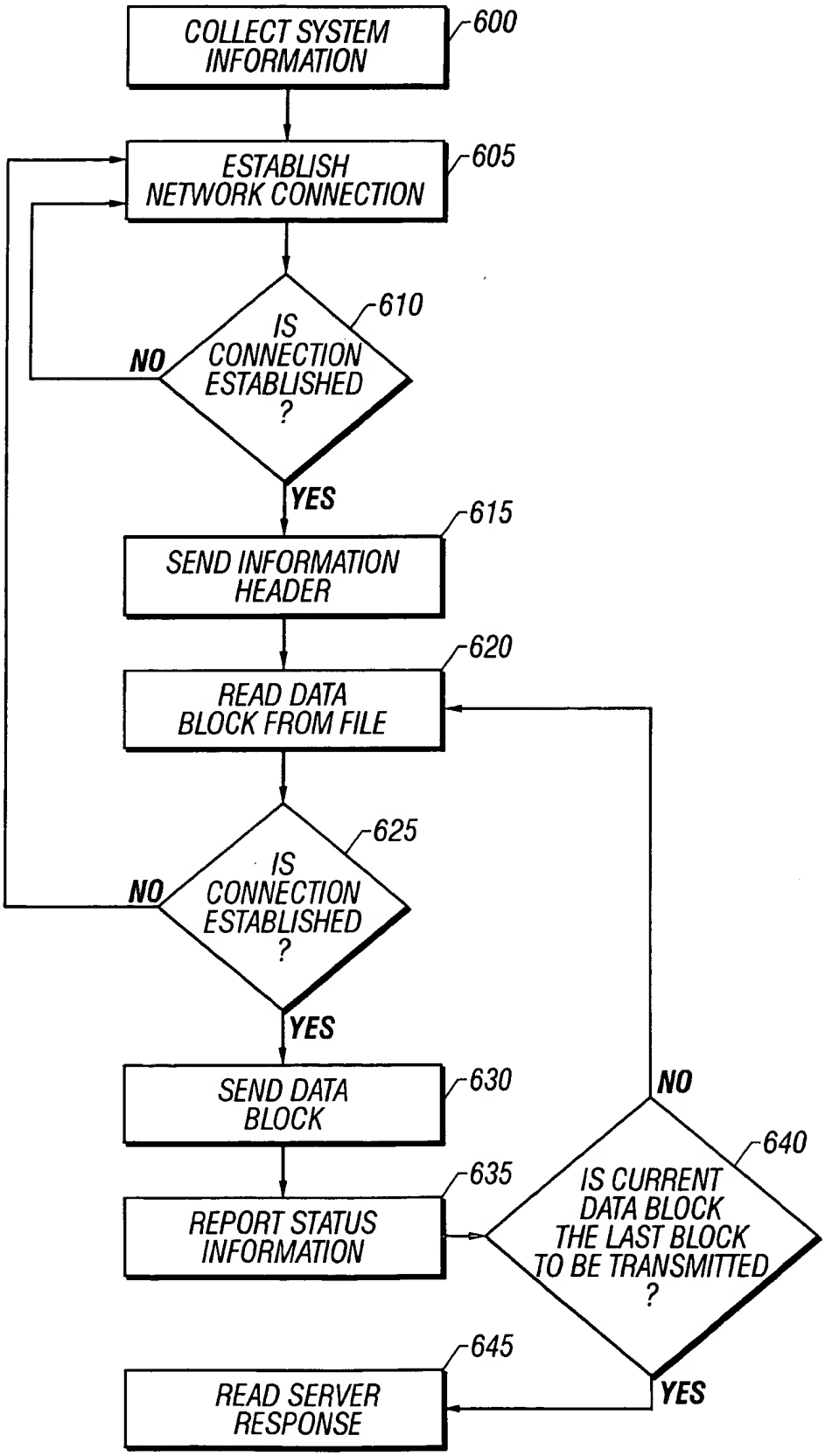
COLLECT SYSTEM INFORMATION
600
ESTABLISH NETWORK CONNECTION
605
IS CONNECTION ESTABLISHED ?
610
NO
YES
SEND INFORMATION HEADER
615
READ DATA BLOCK FROM FILE
620
IS CONNECTION ESTABLISHED ?
625
NO
YES
SEND DATA BLOCK
630
REPORT STATUS INFORMATION
635
IS CURRENT DATA BLOCK THE LAST BLOCK TO BE TRANSMITTED ?
640
NO
YES
READ SERVER RESPONSE
645

FIGURE 6A

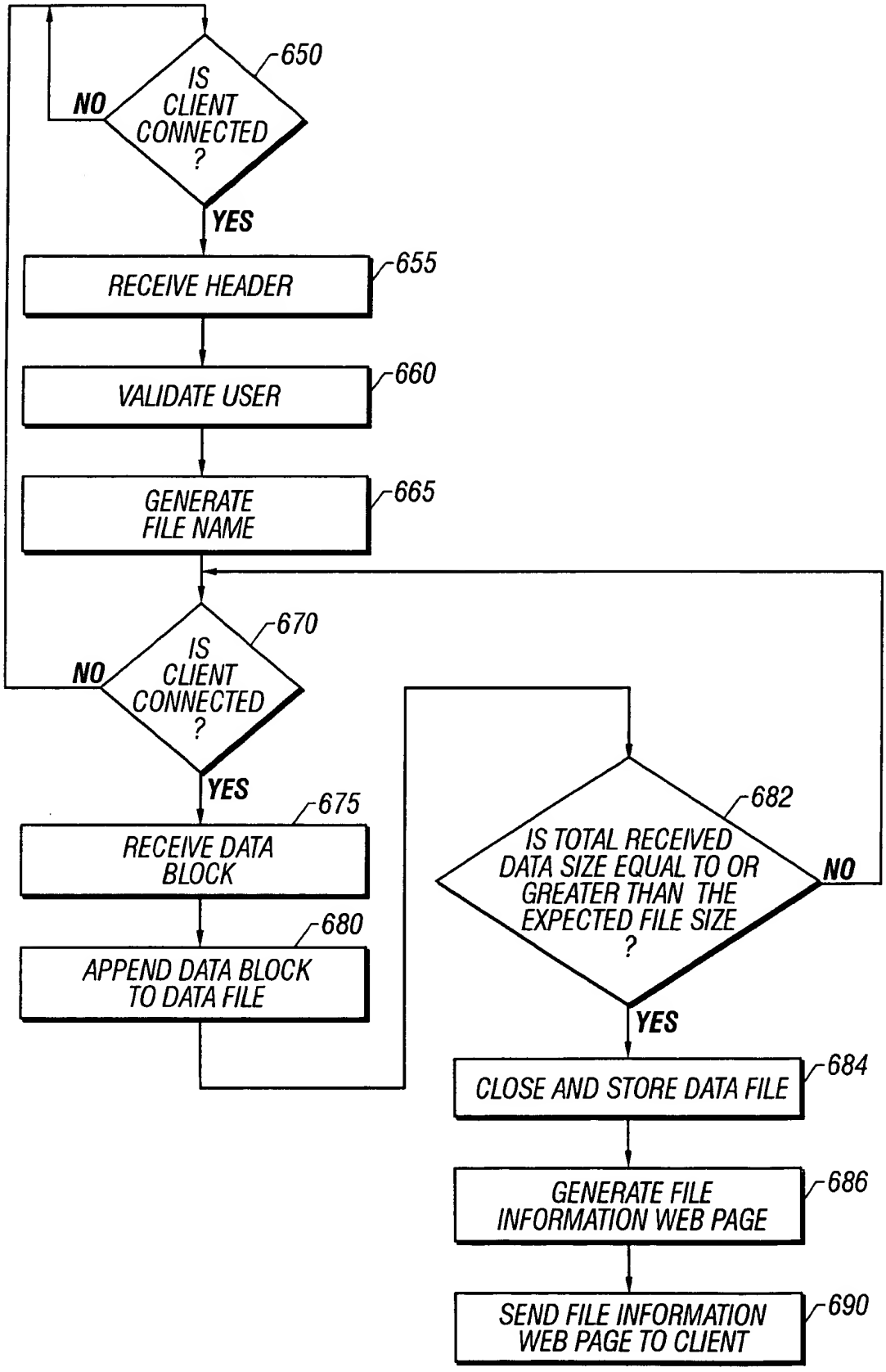
650
IS CLIENT CONNECTED ?
NO
YES
655
RECEIVE HEADER
660
VALIDATE USER
665
GENERATE FILE NAME
670
IS CLIENT CONNECTED ?
NO
YES
675
RECEIVE DATA BLOCK
680
APPEND DATA BLOCK TO DATA FILE
682
IS TOTAL RECEIVED DATA SIZE EQUAL TO OR GREATER THAN THE EXPECTED FILE SIZE ?
NO
YES
684
CLOSE AND STORE DATA FILE
686
GENERATE FILE INFORMATION WEB PAGE
690
SEND FILE INFORMATION WEB PAGE TO CLIENT

FIGURE 6B

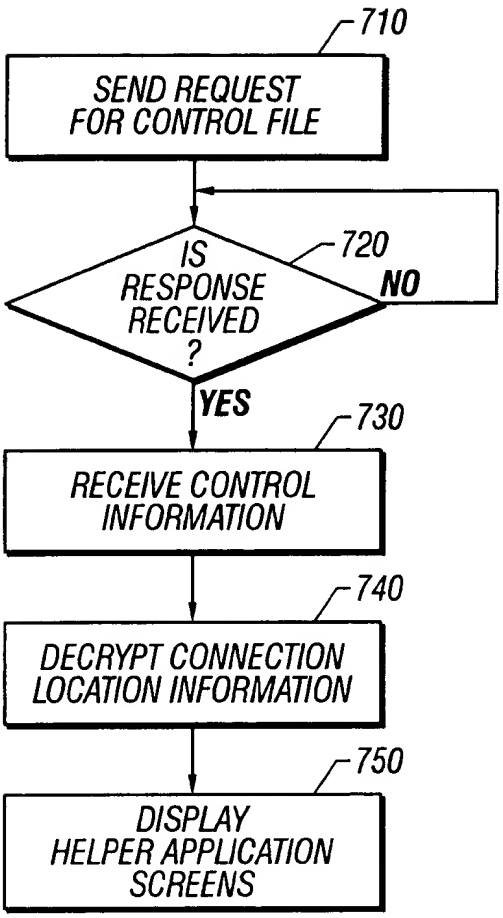
710
SEND REQUEST FOR CONTROL FILE
720
IS RESPONSE RECEIVED ?
NO
YES
730
RECEIVE CONTROL INFORMATION
740
DECRYPT CONNECTION LOCATION INFORMATION
750
DISPLAY HELPER APPLICATION SCREENS

FIGURE 7A

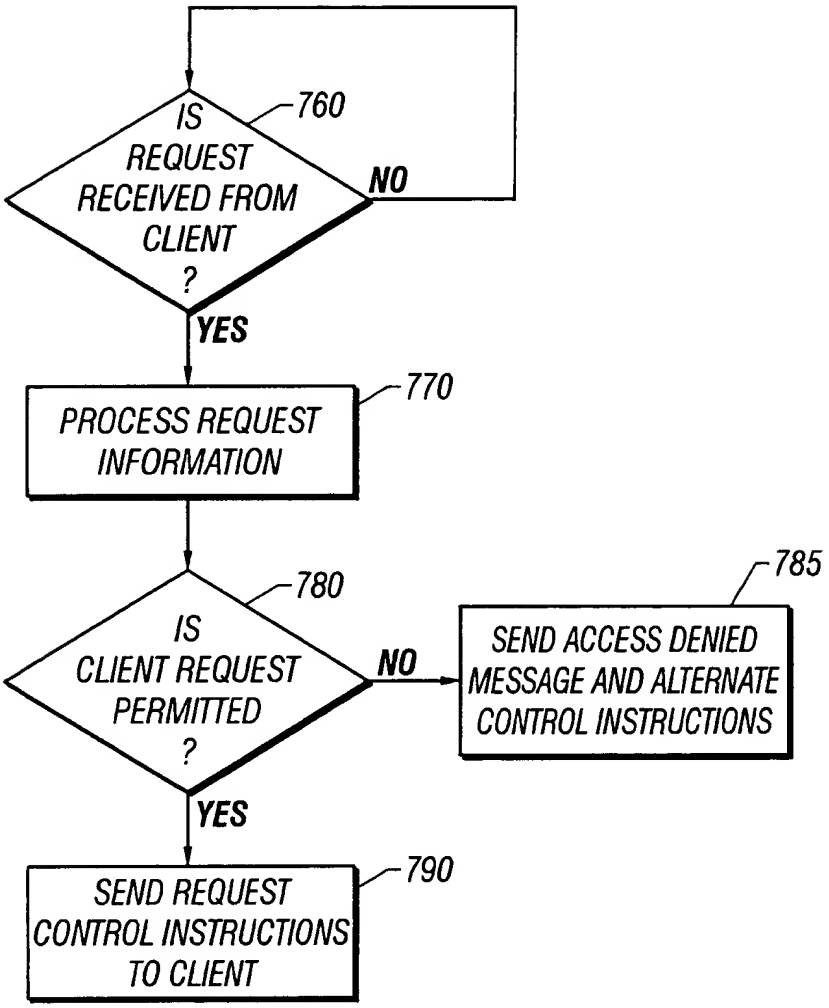
IS REQUEST RECEIVED FROM CLIENT ?
760
NO
YES
PROCESS REQUEST INFORMATION
770
IS CLIENT REQUEST PERMITTED ?
780
NO
SEND ACCESS DENIED MESSAGE AND ALTERNATE CONTROL INSTRUCTIONS
785
YES
SEND REQUEST CONTROL INSTRUCTIONS TO CLIENT
790

FIGURE 7B

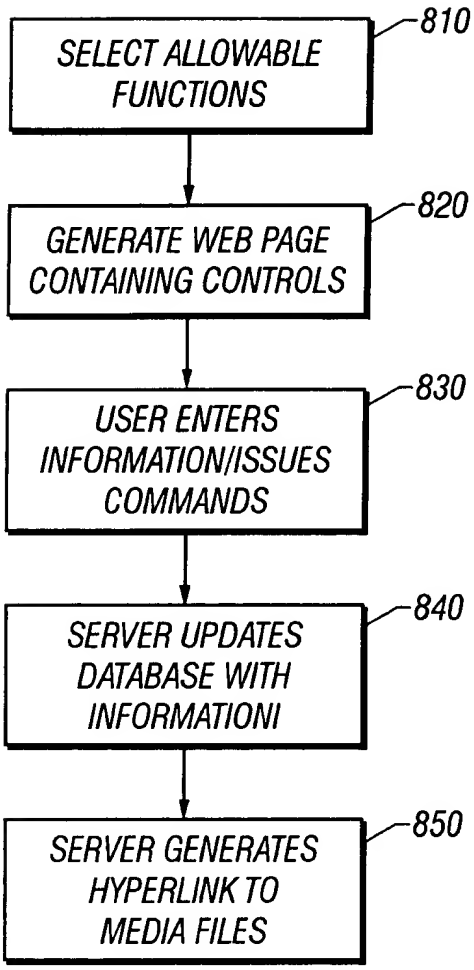

FIGURE 8

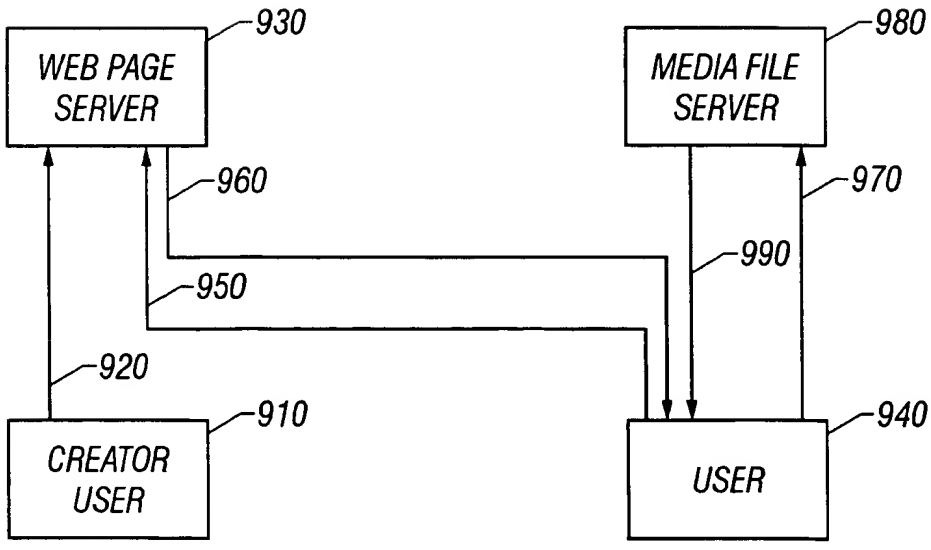

FIGURE 9

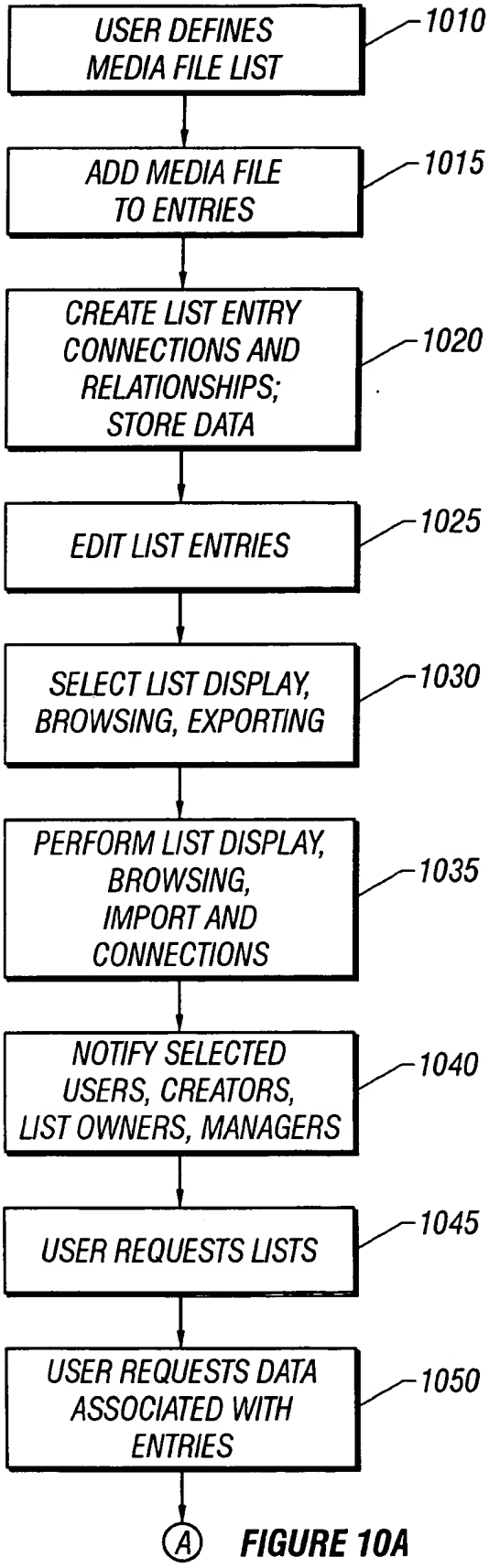
USER DEFINES MEDIA FILE LIST
1010
ADD MEDIA FILE TO ENTRIES
1015
CREATE LIST ENTRY CONNECTIONS AND RELATIONSHIPS; STORE DATA
1020
EDIT LIST ENTRIES
1025
SELECT LIST DISPLAY, BROWSING, EXPORTING
1030
PERFORM LIST DISPLAY, BROWSING, IMPORT AND CONNECTIONS
1035
NOTIFY SELECTED USERS, CREATORS, LIST OWNERS, MANAGERS
1040
USER REQUESTS LISTS
1045
USER REQUESTS DATA ASSOCIATED WITH ENTRIES
1050
A

FIGURE 10A

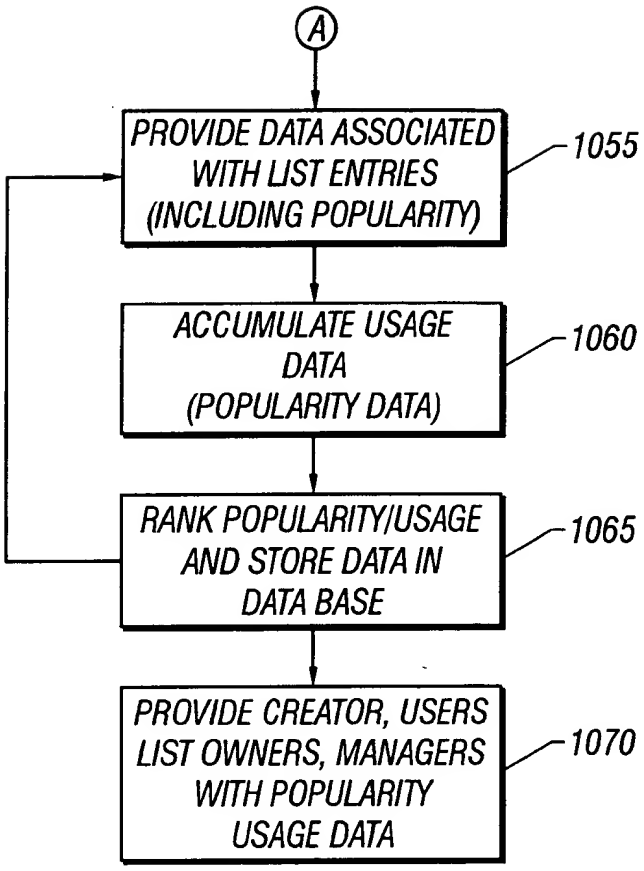
A
PROVIDE DATA ASSOCIATED WITH LIST ENTRIES (INCLUDING POPULARITY)
1055
ACCUMULATE USAGE DATA (POPULARITY DATA)
1060
RANK POPULARITY/USAGE AND STORE DATA IN DATA BASE
1065
PROVIDE CREATOR, USERS LIST OWNERS, MANAGERS WITH POPULARITY USAGE DATA
1070

FIGURE 10B

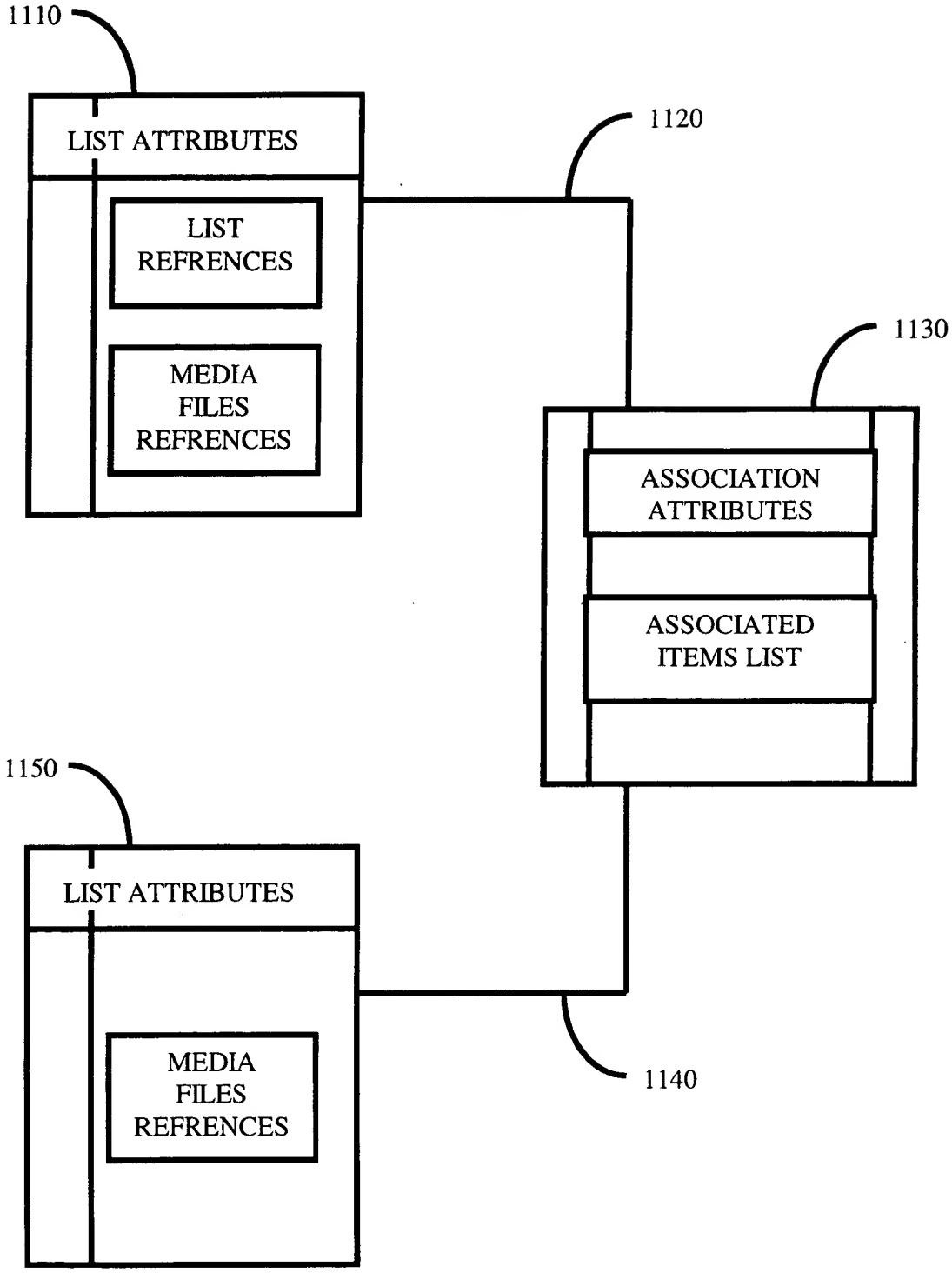
1110
LIST ATTRIBUTES
LIST REFRENCES
MEDIA FILES REFRENCES
1120
1130
ASSOCIATION ATTRIBUTES
ASSOCIATED ITEMS LIST
1150
LIST ATTRIBUTES
MEDIA FILES REFRENCES
1140

FIGURE 11